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## Some types of Sepsidae in the Berlin and Eberswalde Museums (Diptera)

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### Summary

Fourty three primary types of Sepsidae in the Zoological Museum, Museum für Naturkunde an der Humboldt-Universität zu Berlin, and in the collections of the Deutsches Entomologisches Institut, Eberswalde, are treated. Lectotypes are designated for 26 species, 3 new junior synonyms are reported, and 3 names are re-instated.

### Zusammenfassung

Die Ergebnisse der Untersuchungen des Typenmaterials der Sepsiden in den Sammlungen des Zoologischen Museums, Museum für Naturkunde an der Humboldt-Universität in Berlin und im Deutschen Entomologischen Institut in Eberswalde werden vorgelegt. Eine alphabetisch geordnete Liste enthält Angaben zu den Typen von 43 Arten. Für 26 Arten werden Lectotypen designiert; 3 neue jüngere Synonyme werden erkannt, und 3 Namen werden revalidisiert.

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This article contains the results of my studies of the types of Sepsidae made during a visit to the Zoological Museum, Museum für Naturkunde an der Humboldt-Universität zu Berlin (ZMB), and to the Deutsches Entomologisches Institut, Eberswalde (DEI), at the November-December of 1994 and September of 1996. Information on the types of 43 species of Sepsidae is given, including data on holotypes and lectotypes. Lectotypes are designated for 26 species: these include designations of lectotypes and/or paralectotypes that were labelled by ZUSKA in 1974 and 1976 but never published. The species are listed in alphabetical order, and the name of the genus in which the species was originally described is given in brackets. All labels on the holotypes and lectotypes, as well as notes on the condition of almost all holotypes and lectotypes, are recorded. The information on each label is given in quotation marks (" "). When the handwriting could not be deciphered, it is indicated by ("?"). There were several cases where the name written by DUDA on the label differs from the name actually published in original description, and in such cases I have quoted the label and added [sic!] after the unpublished name. All the holotypes and lectotypes noted here, including the lectotype of *S. latiforceps* DUDA, are in the collection of the ZMB.

## List of the taxa

**1. *abyssinica* DUDA, 1926, 39: 43 (*Sepsis*).**

Described from a single female. Holotype female with the labels: "Abyssinia Kovács", "Marako 1912.III.", "S. abyssinica n. sp. ♀ det. Dr. O. Duda", "Typus", "Holotypus ♀ *Sepsis abyssinica* Duda, 1926: 43 det. A. Ozerov, 1994". The right fore leg of the holotype has broken off and is glued to the locality label; left hind tibia and tarsi missing.

*S. abyssinica* is a good species of the genus *Dudamira* OZEROV.

**2. *acroleucoptera* DUDA, 1926, 40: 41 (*Sepsis*, as var. of *Sepsis albopunctata* LAMB, 1914).**

Described from 14 syntypes (7 males and 7 females). One syntype is in the ZMB, and I designate it herewith as lectotype of *S. acroleucoptera*. The lectotype male has the labels: "Formosa Sauter", "Anping 1911.VII.", "Sepsis albolimbata Meij[ere] ♂ typus det. Meijere" [see also under albolimbata below], "S. acroleucoptera det. O. Duda", "Lectotype ♂ *Sepsis albopunctata* Lamb var. *acroleucoptera* Duda, 1926: 41 design. A. Ozerov, 1994", "Sepsis dissimilis Brunetti, 1910 det. A.L. Ozerov, 1994". The head, right wing, and abdomen of the lectotype are missing.

*S. acroleucoptera* is a junior synonym of *Sepsis dissimilis* BRUNETTI, 1910.

**3. *aequipilosa* DUDA, 1926, 39: 51 (*Sepsis*, as var. of *Sepsis lateralis* WIEDEMANN, 1830).**

Described from an unspecified number of specimens, 2 of which are in the ZMB. Lectotype male (by present designation) with the labels: "Madagaskar Tananarivo [= Antananarivo] Friederichs S. V.", "lateralis Wiedem[ann]. var. *aequipilosa* m[ihi] ♂ d.[et.] Duda", "Lectotypus ♂ *Sepsis lateralis* Wiedemann var. *aequipilosa* Duda, 1926: 51 design. A. Ozerov, 1994".

*S. aequipilosa* is a good species of the genus *Sepsis* FALLÉN.

**4. *albolimbata* MEIJERE, 1913: 115 (*Sepsis*).**

Described by DE MEIJERE from an unspecified number of specimens. 2 syntypes are in the ZMB. Lectotype male (by present designation) with the labels: "Formosa Sauter", "Tainan [1]909. III", "Sepsis albolimbata Meij[ere] ♂ typus det. Meijere", "Lectotype ♂ *Sepsis albolimbata* Meijere, 1913: 115 design. A. Ozerov, 1994", "Sepsis dissimilis Brunetti, 1910 ♂ det. A.L. Ozerov, 1994". The eyes and the thorax at wing-base are compressed; apical half of right mid tibia and right mid tarsi missing.

*S. albolimbata* is a junior synonym of *S. dissimilis* BRUNETTI, 1910. The second syntype was also a syntype of *S. acroleucoptera* DUDA and has been designated by me as the lectotype of this species (see above).

**5. *arotrolabis* DUDA, 1926, 39: 55 (*Sepsis*).**

Described from 2 males syntypes, only one of which is in the ZMB. I designate herewith this specimen as lectotype of *S. arotrolabis*. Lectotype male with the labels: "Natal New Hannover", "aratrolabis [sic!] n. sp. ♂ det. Dr. O. Duda", "Gen.[italia] u[nd] Vorderbein gez[eichnet] 3.5.[19]24", "Sepsis arotrolabis Lectotypus J. Zuska 1976", "Lectotype ♂ *Sepsis arotrolabis* Duda, 1926: 55 design. A. Ozerov, 1994". The head, left wing, abdomen, and tarsal segments 4 and 5 of right hind leg are missing.

*S. arotrolabis* is a good species of the genus *Sepsis*.

**6. *bigemmis* DUDA, 1926, 39: 50 (*Sepsis*, as var. of *Sepsis lateralis* WIEDEMANN, 1830).**

Described by DUDA from 4 male and 8 female syntypes, of which 3 (1 male and 2 females) are in the ZMB. I herewith designate the male as lectotype of *S. bigemmis*. The lectotype is labelled: "Uganda Katona", "Mujenje 1913. IX.", "1. [= ? linkes] Vorderbein gez[eichnet] 5.5.[19]24", "*bigemmis* n. sp. ♂ det. Dr. O. Duda", "Lectotype ♂ *Sepsis lateralis* Wiedemann var. *bigemmis* Duda, 1926: 50 design. A. Ozerov, 1994". The right wing and right flagellomere 1 of the lectotype are missing.

*S. bigemmis* is a good species of the genus *Sepsis*.

**7. *coprophila* MEIJERE, 1906: 176 (*Sepsis*).**

Described from an unspecified number of specimens of both sexes, 2 of which are in the ZMB (both males). I herewith designate a male in good condition as lectotype, with the following labels: "Singapore, Biró, 1898", "*Sepsis coprophila* Meij[ere] ♂ typus det. Meijere", "gen.[italia] gez[eichnet] 7.4.[19]24", "Lectotype ♂ *Sepsis coprophila* Meijere, 1906: 176 design. A. Ozerov, 1994".

*S. coprophila* is a good species of the genus *Sepsis*.

**8. *crassiforceps* DUDA, 1926, 39: 32 (*Paratoxopoda*).**

Described from a single male. The holotype male has the labels: "S. Kamerun, Lolodorf, L. Conradt S. 18.2.1895", "18/II.[18]95", "A. [= *Amydrothorax*, changed to *Paratoxopoda* when published] *crassiforceps* n sp ♂ det. Dr. O. Duda", "g.[enitalia] gez.[eichnet] 15.5.[19]24 Dr. Duda", "Type", "Zool. Mus. Berlin", "Holotypus ♂ *Paratoxopoda crassiforceps* Duda, 1926: 32 det. A. Ozerov, 1994". The left mid leg and several tarsal segments are missing.

*P. crassiforceps* is a good species of the genus *Paratoxopoda* DUDA.

**9. *crassiset* DUDA, 1926, 39: 72 [*Enicita*, as var. of *Enicita annulipes* (MEIGEN, 1826)].**

Described from an unspecified number of specimens. One syntype is in the ZMB, which I herewith designate as lectotype of *E. crassiset*. Lectotype female with the labels: "Chamonix [in France] 61264 VII", "annulipes v. *crassisetosa* [changed to *crassiset* when published] d.[et.] Duda", "Lectotypus ♀ *Enicita annulipes* var. *crassiset* Duda, 1926: 72 design. A. Ozerov, 1994", "*Themira annulipes* (Meigen, 1826) ♀ A. Ozerov det., 1994". The antennae of the lectotype missing.

*E. crassiset* is a junior synonym of *Themira annulipes* (MEIGEN, 1826).

**10. *dentatiformis* DUDA, 1926, 39: 46 (*Sepsis*).**

Described from an unspecified number of specimens. 2 male syntypes are in the ZMB. I designate herewith as lectotype a male in excellent condition, with the following labels: "Costa Rica 1921 Suiza de Turrialba", "*paradentata* [changed to *dentatiformis* when published] n. sp. ♂ det. Dr. O. Duda", "Berl.[in] M.[useum]", "Lectotypus ♂ *Sepsis* (*Palaeosepsis*) *dentatiformis* Duda, 1926: 46 design. A. Ozerov, 1994".

*S. dentatiformis* is a good species, now placed in the genus *Palaeosepsis* DUDA.

**11. *discedens* BECKER, 1903: 141 (*Amydrosoma*).**

Described from an unspecified number of specimens. 14 syntypes are in the ZMB. Some of them were studied by ZUSKA, who labelled one as the lectotype of *A. discedens*, a designation that has not been published. I am not designating this specimen as lectotype because it is

severely damaged, and designate instead another in good condition. Lectotype male (by present designation) with the labels: "Kairo XI 44243", "Lectotype ♂ *Amydrosoma discedens* Becker, 1903: 1 design. A. Ozerov, 1994", "*Toxopoda discedens* (Becker, 1903) ♂ det. A. Ozerov, 1994".

At present, this species is placed in the genus *Toxopoda* MACQUART, 1851, and is synonymized with *Toxopoda nitida* MACQUART, 1851 (DUDA, 1926; ZUSKA, 1980; ZUSKA and PONT, 1984). The original description of *T. nitida* states that it was also collected in Egypt. I have previously examined the holotype of *T. nitida*, and I consider that *T. nitida* and *A. discedens* are distinct species. Furthermore, I have examined many specimens of Afrotropical and Oriental *Toxopoda* and I doubt whether the type locality of *T. nitida* was correctly recorded. I am convinced that the type specimen of *T. nitida*, in the Hope Entomological Collections, Oxford, and studied by me (female, without locality labels, but labelled: "Holotype", "*Toxopoda nitida*, ♂ Macq[uart]. n. g., n. sp.", "*Toxopoda nitida*, Ex. Coll. Big."), was collected in South-East Asia, and not in Egypt.

*A. discedens* is a good species of the genus *Toxopoda*.

#### 12. *femoriseta* DUDA, 1926, 39: 53 (*Sepsis*).

Described from 4 male and 5 female syntypes, 2 males and 4 females of which are in the ZMB. Lectotype male (by present designation) with the labels: "Togo Mangu-Jendi [=Yendi, in Ghana] Gesundheitsamt G. VII.VIII.[19]09", "*S. femoriseta* n. sp. ♂ det. Dr. O. Duda", "Typus", "*S. femoriseta* Duda Paralectotypus J. Zуска 1974", "Lectotype ♂ *Sepsis femoriseta* Duda, 1926: 55 design. A. Ozerov, 1994". The left fore leg is missing; the surstyli and the spot at the wing-tip can be clearly seen.

*S. femoriseta* is a good species of the genus *Sepsis*.

#### 13. *fissa* BECKER, 1903: 143 (*Sepsis*).

Described from an unspecified number of specimens, of which 2 males are in ZMB. I herewith designate as lectotype of *S. fissa* a male in good condition with the labels: "Kairo 44712 III", "*fissa* Beck.[er]. Becker det", "Lectotype ♂ *Sepsis fissa* Becker, 1903: 143 design. A. Ozerov, 1994".

*S. fissa* is a good species of the genus *Sepsis*.

#### 14. *flavitarsis* DUDA, 1926, 39: 32 (*Paratoxopoda*, as var. of *Paratoxopoda nigratarsis* DUDA, 1926).

Described from 2 female syntypes, both of which are in ZMB. A lectotype was designated by OZEROV (1993b: 134), and has the labels: "N. Kamerun Johann-Albrechtshöhe [= Kumba, in Cameroun] L. Conradt S G", "8/II.[18]95", "*Amydrothorax* [changed to *Paratoxopoda* when published] *flavitarsis* n. sp. ♀ det. Dr. O. Duda", "Type", "Zool. Mus. Berlin", "Lectotypus ♀ *Paratoxopoda flavitarsis* Duda, 1926 design. A.L. Ozerov, 1990". The left mid leg and right hind leg of the lectotype are missing. The second syntype was also collected in Cameroun, because of this the type-locality "Togo", given by DUDA (1926, 39: 32) is considered to be wrong.

*P. flavitarsis* is a good species of the genus *Paratoxopoda*.

#### 15. *germanica* DUDA, 1926, 39: 83 (*Themira*).

Described from a single male. Holotype male with the labels: "Z. B. [= Zehlau-Bruch; now in Russia, Kaliningradskaya oblast', about 54 32'N, 20 50'E] 38.11/7.[19]21 Zehlau Dampf",

"*Themira* gez[eichnet] 26/6.[19]24", "*germanica* n. sp. ♂ d.[et.] Duda Type", "Typus", "Holotypus ♂ *Themira germanica* Duda, 1926: 83 det. A. Ozerov, 1994". The tip of the abdomen together with the hypopygium is missing.

*Th. germanica* is a good species of the genus *Themira* ROBINEAU-DESVOIDY.

**16. *glabra* DUDA, 1926, 39: 50 (*Sepsis*).**

Described from 21 syntypes, 3 of which are in the ZMB: 1 male from Ethiopia and 2 males from Madagascar. I herewith designate as lectotype of *S. glabra* the male from Ethiopia. This specimen has the labels: "Abyssinia Kovács", "Marako 1912.III.", "S. *glabra* n. sp. ♂ det. Dr. O. Duda", "Vorderbein gen.[italia] gez.[eichnet] 4.5.[19]24", "Lectotype ♂ *Sepsis glabra* Duda, 1926: 50 design. A. Ozerov, 1994".

*S. glabra* is a new junior synonym of *Sepsis igniventris* THOMSON, 1869.

**17. *hirtipes* BECKER, 1903: 142 (*Sepsis*).**

Described from 4 syntypes, 2 males of which are in the ZMB. Lectotype male (by present designation) in excellent condition, labelled: "Kairo 44711 III", "*hirtipes* Beck[er]", "Lectotype ♂ *Sepsis hirtipes* Becker, 1903: 142 design. A. Ozerov, 1994".

*S. hirtipes* is a junior synonym of *Lasiosepsis melanota* (BIGOT, 1886).

**18. *incurvus* DUDA, 1926, 39: 38 (*Meroplius*).**

Described from a single female. Holotype female with the labels: "Abyssinia Kovács", "Lac. Dembel 1912.I.", "Meroplius incurvus n. sp. ♀ Det. Dr. O. Duda", "Holotypus ♀ Meroplius incurvus Duda 1926 A. Ozerov det. 1987", "Lasiosepsis melanota (Bigot, 1886) A. Ozerov det. 1987", "Zool. Mus. Berlin". The abdomen and wings missing, but otherwise the condition is good.

*M. incurvus* is a junior synonym of *Lasiosepsis melanota* (BIGOT, 1886).

**19. *intermedia* DUDA, 1926, 39: 32 (*Paratoxopoda*).**

Described from a single male. Holotype male with the labels: "N. Kamerun Johann-Albrechtshöhe [= Kumba, in Cameroun] L. Conradt S G", "23/4.[18]96", "A. [= Amydrothorax, changed to Paratoxopoda when published] intermedia ♂ det. Dr. O. Duda", "Type", "Zool. Mus. Berlin", "Holotypus ♂ Paratoxopoda intermedia Duda, 1926: 32 det. A. Ozerov, 1994". It lacks the right mid leg, but is otherwise in good condition.

*P. intermedia* is a good species of the genus *Paratoxopoda*.

**20. *kerteszi* DUDA, 1926, 39: 121 (*Sepsis*, as var. of *Sepsis melanopoda* DUDA, 1926).**

Described from 3 male syntypes, which are in the ZMB. Lectotype male (by present designation) with the labels: "Tátra Kertész", "Kerteszi ♂ det. Dr. O. Duda", "type", "Lectotype ♂ *Sepsis melanopoda* var. *kerteszi* Duda, 1926: 121 design. A. Ozerov, 1994", "*Sepsis flavimana* Meigen, 1826 A. Ozerov det., 1994". Both wings and the right flagellomere 1 of the lectotype are missing, otherwise its condition is good.

*S. kerteszi* is a junior synonym of *Sepsis flavimana* MEIGEN, 1826.

**21. *laticornis* DUDA, 1926, 39: 45 (*Sepsis*).**

Described from an unspecified number of specimens. The lectotype male and one paralectotype are in the ZMB. The lectotype was designated by OZEROV (1992: 86). It is labelled: "Columbia

Ujhelyi", "Sierra S. Lorenzo", "laticornis ♂ det. Dr. O. Duda", "Vorderbein gezeich.[net] Duda", "Berl.[in] M.[useum]", "typus", "Zool. Mus. Berlin", "Lectotype ♂ *Sepsis* (*Palaeosepsis*) *laticornis* Duda, 1926: 45 det. A. Ozerov, 1992". In the lectotype the right wing completely, and part of left wing along costal vein, are missing, otherwise its condition is good. *S. laticornis* is a good species, now placed in the genus *Archiseopsis* SILVA.

**22. *latiforceps* DUDA, 1926, 40: 67 (*Sepsis*).**

Described from 5 male and 11 female syntypes. There are 4 syntypes (2 males and 2 females) in the DEI. I herewith designate as lectotype a male in excellent condition with the labels: "Chosokei (Form[osa]) H. Sauter, 1914", "S. *latiforceps* n. sp. ♂ det. Dr. O. Duda", "Gen. [italia] gez[eichnet] 30.5.[19]24.", "typus" (deleted), "Syntypus" and on underside "1972", "Coll. DEI Eberswalde", "Lectotype ♂ *Sepsis latiforceps* Duda, 1926: 56 design. A. Ozerov, 1994".

*S. latiforceps* is a good species of the genus *Sepsis*.

**23. *macrochaetophora* DUDA, 1926, 39: 53 (*Sepsis*).**

Described from an unspecified number of specimens, with 3 syntypes in the ZMB. Lectotype male (by present designation) in excellent condition, labelled: "Abyssinia Kovács", "Marako 1912.III", "*macrochaetophora* det. Dr. O. Duda", "Lectotype ♂ *Sepsis macrochaetophora* Duda, 1926: 53 design. A. Ozerov, 1994".

*S. macrochaetophora* is a good species of the genus *Sepsis*.

**24. *maculata* DUDA, 1926, 39: 46 (*Sepsis*, as var. of *Sepsis dentata* BECKER, 1919).**

Described from an unspecified number of specimens. Lectotype designation by OZEROV (1992: 86). Lectotype male in ZMB, with the labels: "Borgmein [sic!, = Borgmeier, collector] Brasilien", "*dentata* B.[ecker] var. *maculata* ♂", "Zool. Mus. Berlin", "Lectotypus ♂ *Sepsis* (*Palaeosepsis*) *dentata* var. *maculata* Duda, 1926: 46 design. A. Ozerov, 1992". Left antenna of lectotype missing, but otherwise in good condition.

*S. maculata* is a good species, now placed in the genus *Palaeosepsis*.

**25. *meijerei* DUDA, 1926, 39: 128 (*Sepsis*).**

Described from a single male. Holotype male with the labels: "Beetsterzwaag [in Netherlands] 8-11.VI.'[19]22 de Meijere", "gez[eichnet] 8.6.[19]24 Vorderbein", "*meijerei* n. sp. ♂ d.[et.] Duda", "Typus", "Holotypus ♂ *Sepsis meijerei* Duda, 1926: 128 det. A. Ozerov, 1994", "*Sepsis flavimana* Meigen, 1826 A. Ozerov det., 1994". The head and wings of the holotype are missing.

*S. meijerei* is a junior synonym of *Sepsis flavimana* MEIGEN, 1826.

**26. *melanopoda* DUDA, 1926, 39: 121 (*Sepsis*).**

Described from 2 male syntypes which are in the ZMB. Lectotype male (by present designation) in good condition, labelled: "Brocken [ in Germany] 6[.JVII].19]06", "♂ *paranigripes* n. nom.[sic!] = *nigripes* Frey det. Dr. O.Duda", "*melanopoda Sepsis typica* Duda ♂ det. Duda", "typus", "Lectotype ♂ *Sepsis melanopoda* Duda, 1926: 121 design. A. Ozerov, 1994", "*Sepsis flavimana* Meigen, 1826 A. Ozerov det., 1994".

*S. melanopoda* is a junior synonym of *Sepsis flavimana* MEIGEN, 1826.

**27. *nigritarsis* DUDA, 1926, 39: 32 (*Paratoxopoda*).**

Described by DUDA from 3 male and 3 female syntypes, of which 5 are in the ZMB. Lectotype male designated by OZEROV (1993b: 142). It is labelled "Westafrika Uelleburg [in Equatorial Guinea] VI.-VIII.[19]08. Tessmann S. G.", "nigritarsis n sp ♂ det. Dr. O. Duda", "gen.[italia] gez[eichnet] 14.5.[19]24", "Type", "Zool. Mus. Berlin", "Lectotypus ♂ Paratoxopoda nigritarsis Duda, 1926 design. A. Ozerov, 1990", "Paratoxopoda tricolor (Walker, 1849) A. Ozerov det., 1990". The right mid leg and both hind legs of the lectotype are missing, but otherwise it is in good condition.

*P. nigritarsis* is a junior synonym of *Paratoxopoda tricolor* (WALKER, 1849).

**28. *niveipennis* BECKER, 1903: 143 (*Sepsis*).**

Described from 8 syntypes. Lectotype designation by ZUSKA (1968: 474). Lectotype male with the labels: "Assiut [= Asyût, in Egypt] 44439 XII", "niveipennis Becker", "Lectotype A. niveipennis Beck[er]. Undamaged male closer to pin J. Zуска 1968 design.".

*S. niveipennis* is a good species, now placed in the genus *Australosepsis* MALLOCH.

**29. *pamirensis* ENDERLEIN, 1934: 137 (*Sepsis*).**

Described from a single female. Holotype female with the labels: "Zentral Pamir VII.-VIII. [19]28 leg. Reinig", "Djol-Boeruljuk 23.7.[1928] 4020-4150 m", "Sepsis pamirensis Type Enderl[en] ♀ Dr. Enderlein dat. [sic!, = det.] 1932", "Types", "Zool. Mus. Berlin", "Sepsis barbata Beck. ♀ A. Ozerov det., 1985", "Holotypus ♀ Sepsis pamirensis Enderlein, 1934: 137 det. A. Ozerov, 1994". In the holotype the right antenna and the anterior pair of dorsocentral setae are missing.

*S. pamirensis* is a junior synonym of *Sepsis barbata* BECKER, 1907.

**30. *pectinulata* LOEW, 1873: 305 (*Nemopoda*).**

Described from an unspecified number of male specimens. One syntype is in the ZMB, which I herewith designate as lectotype of *N. pectinulata*. It is in very good condition, with the labels: "coll. H. Loew", "Type", "Nemopoda pectinulata Lw.", "Lectotype ♂ Nemopoda pectinulata Loew, 1873: 305 design. A. Ozerov, 1994".

*N. pectinulata* is a good species of the genus *Nemopoda* ROBINEAU-DESVOIDY.

**31. *pilipes* LOEW, 1873: 304 (*Sepsis*).**

Described from an unspecified number of specimens, sex not stated. One male syntype is in the ZMB, which I herewith designate as lectotype of *S. pilipes*. It is in excellent condition, and is labelled: "Coll. H. Loew", "Type", "Sepsis pilipes Lw.", "Lectotype ♂ Sepsis pilipes Loew, 1873: 304 design. A. Ozerov, 1994".

*S. pilipes* is a junior homonym of *Sepsis pilipes* VAN DER WULP, 1871, and was renamed *Sepsis loewi* HENDEL, 1902. However, it is in any case a junior synonym of *Sepsis duplicata* HALIDAY, 1838.

**32. *plurisetosus* DUDA, 1926, 39: 98 (*Meroplus*).**

Described from a single female. Holotype female in the ZMB with the labels: "Körösmező [= Jasyn'a, in Ukraine] Kertész", "Meroplus plurisetosus n. sp. ♀ det. Dr. O. Duda", "Typus", "Holotypus ♀ Meroplus plurisetosus Duda, 1926: 98 det. A. Ozerov, 1994", "Themira gracilis Zetterstedt, 1847 det. A.L. Ozerov, 1994". The left fore leg and part of the wing along costal vein are missing.

*M. plurisetosus* is a junior synonym of *Themira gracilis* (ZETTERSTEDT, 1847).

**33. seticrus DUDA, 1926, 39: 89 (*Themira*).**

Described by Duda from 2 syntypes (male and female), both in the ZMB. The syntypes are on a single pin, with the upper specimen female and the lower one male. Lectotype male (by present designation), with the labels: "Mitt[el]. Asien 51926. V", "p.[eka] Бомын (Ичегын) св [= северо-восточный] Цайдамъ, Гоби Роб[оровский] Козлов к [= коллекторы] VI [18]95" [= Gobi, north-eastern Tsaidam, River Bomyn (Ichegyn), June 1895, collectors Roborovskiy and Kozlov], "seticrus n. sp. d.[et.] Duda", "typus", "Lectotypus ♂ *Themira seticrus* Duda, 1926: 89 design. A. Ozerov, 1994", "Paralectotypus ♀ *Themira seticrus* Duda, 1926: 89 design. A. Ozerov, 1994". The tip of the abdomen both syntypes is missing.

*Th. seticrus* is a good species of the genus *Themira*. I have previously placed *Themira mongolica* Soós, 1972 as a junior synonym of this species (OZEROV, 1993a). However, after studying the lectotype of *Th. seticrus* I am convinced that *Th. mongolica* is in fact a good species. In particular, the katapisternum is shining with a silvery-white upper margin in *Th. mongolica*, where as in *Th. seticrus* it is completely shining.

**34. setipes DUDA, 1926, 39: 55 (*Sepsis*, as var. of *Sepsis arotrolabis* DUDA, 1926).**

Described by DUDA from 3 male syntypes. One syntype is in the ZMB, and I herewith designate it as lectotype of *S. setipes*. It has the labels: "Natal New Hannover", "arotrolabis var. setipes ♂ det. Dr. O. Duda", "?", "Lectotype ♂ *Sepsis arotrolabis* Duda var. *setipes* Duda, 1926: 55. design. A. Ozerov, 1994". The head and left fore leg of the lectotype are missing; the hypopygium is exposed.

*S. setipes* is a new junior synonym of *Sepsis arotrolabis* DUDA, 1926.

**35. setulosa DUDA, 1926, 39: 148 (*Sepsidimorpha*).**

Described from a single male. Holotype male in the ZMB, with the labels: "Holotype", "Hinterstein [in Germany] Allg. Alp [= Allgäuer Alpen]", "13[.].17[.].19[.]25", "Sepsidimorpha setulosa D.[uda] Typus ♂ d.[et.] Duda", "Typus", "Zool. Mus. Berlin", "Holotypus ♂ *Sepsidimorpha setulosa* Duda, 1926: 148 det. A. Ozerov, 1994". It lacks the left fore leg, right hind leg, and last four tarsomeres of the left hind leg, but is otherwise in good condition.

*S. setulosa* is a good species of the genus *Sepsis*.

**36. simplicicrus DUDA, 1926, 39: 49 (*Leptomerosepsis*).**

Described from 10 syntypes of both sexes, of which 9 are in the ZMB. I designate herewith as lectotype a male with the labels: "17/1.[18]96", "N. Kamerun Johann-Albrechtshöhe [= Kumba, in Cameroun] L. Conradt S G", "Leptomerosepsis simplicicrus ♂ det. Dr. O. Duda", "R. [= ? rechtes] Vorderbein gez[eichnet] 10.5.[19]24 Dr. Duda", "Zool. Mus. Berlin", "Lectotype ♂ *Leptomerosepsis simplicicrus* Duda, 1926: 49 design. A. Ozerov, 1994". The lectotype is in good condition.

*L. simplicicrus* is a good species of the genus *Leptomerosepsis* DUDA.

**37. spectabilis MEIJERE, 1906: 178 (*Sepsis*).**

Described from an unspecified number of specimens of both sexes. 3 syntypes (1 male and 2 females) are in the ZMB. Lectotype male (by present designation) with the labels: "Singapore Biró 1898", "S[epsis]. spectabilis de Meij[ere] Type de Meije[re] oct'05 [= October, 1905]", "Sepsis spectabilis Meij[ere] typus ♂ det. Meijere", "spectabilis ♂ det. Dr. O. Duda", "Lectotype ♂ *Sepsis spectabilis* Meijere, 1906: 178 design. A. Ozerov, 1994". The right



antenna of the lectotype is missing, but otherwise it is in good condition; hypopygium exposed. *S. spectabilis* is not a junior synonym of *Sepsis indica* WIEDEMANN, 1830 because the katapisternum is glossy in front and below. However, it prove to be conspecific with *Sepsis testacea* WALKER, 1856, and is a new junior synonym of that species.

**38. *speiseri* DUDA, 1926, 39: 99 (*Pseudonemopoda*).**

Described from 2 male syntypes, one of which is in the ZMB and where I designate as lectotype of *Ps. speiseri*. It has the labels: "Westpreussen [= West Prussia] Karthaus [= Kartusy, in Poland] 28.VI.1909 P. Speiser", "96", "Bein gez[eichnet] ♂ 1.3.[19]24", "Nemopoda speiseri n. sp. det. Dr. O. Duda", "typus", "Lectotype ♂ *Pseudonemopoda speiseri* Duda, 1926: 99 design. A. Ozerov, 1994". The apex of the right wing, left fore leg, and several abdominal segments including the hypopygium are missing.

*Ps. speiseri* is a good species of the genus *Pseudonemopoda* DUDA.

**39. *subrecta* DUDA, 1926, 40: 33 (*Sepsis*, as var. of *Sepsis femoriseta* DUDA, 1926).**

Described from a single male. Holotype male with the labels: "Togo Mangu-Jendi [= Yendi, in Ghana] Gesundheitsamt G. VII. VIII.[19]09.", "S. femoriseta var. subrecta ♂ det. Dr. O. Duda", "Typus", "Sepsis femoriseta Duda det. J. Zuska 1974", "Holotypus ♂ *Sepsis femoriseta* Duda var. subrecta Duda, 1926: 33 Det. A. Ozerov, 1994". It lack the right fore leg and left mid leg, and the wings are wrinkled, but otherwise it is in good condition; hypopygium exposed.

*S. subrecta* is a junior synonym of *Sepsis femoriseta* DUDA, 1926.

**40. *tridens* BECKER, 1903: 145 (*Sepsis*).**

Described from a single male. Holotype male with labels: "B.[irket] el Karun 44845 III", "♂ tridens", "pectoralis ♂ d.[et.] Duda", "gez[eichnet]", "Holotypus ♂ *Sepsis tridens* Becker, 1903: 145 det. A. Ozerov, 1994", "Sepsis thoracica R.-D. ♂ A. Ozerov det., 1994". It is in excellent condition.

*S. tridens* is a junior synonym of *Sepsis thoracica* (ROBINEAU-DESVOIDY, 1830).

**41. *tuberculata* DUDA, 1926, 40: 51 (*Sepsis*).**

Described from 11 syntypes (4 males and 7 females), one male of which is in the ZMB and one male in the DEI. I herewith designate the male in ZMB as lectotype of *S. tuberculata*. This specimen has the labels: "Formosa Sauter", "Yentempo 1907.V.19", "Sepsis coprophila Meij[ere] ♂ det. Meijere", "tuberculata n. sp. ♂ det. Dr. O. Duda", "Lectotype ♂ *Sepsis tuberculata* Duda, 1926: 51 design. A. Ozerov, 1994", "Sepsis nitens Wiedemann, 1824 ♂ A. Ozerov det., 1994". The lectotype is in good condition, with the hypopygium exposed.

*S. tuberculata* is a junior synonym of *Sepsis nitens* WIEDEMANN, 1824.

**42. *validiseta* DUDA, 1926, 39: 54 (*Sepsis*, as var. of *Sepsis macrochaetophora* DUDA, 1926).**

Described from 5 male syntypes, of which one is in the ZMB. I designate herewith this male as lectotype of *S. validiseta*. It has the labels: "Abyssinia Kovács", "Marako 1912.III", "macrochaetophora var. validiseta Duda ♂ det. Dr. O. Duda", "L. [= ? linkes] Vorderbein Gen[italia] 28.4.[19]24 Dr. Duda", "Lectotypus ♂ *Sepsis macrochaetophora* Duda var. validiseta Duda, 1926: 54 design. A. Ozerov, 1994". The right tibia and tarsi of the fore leg are missing, but otherwise it is in good condition.

*S. validiseta* is a good species of the genus *Sepsis*.

**43. villicoxa DUDA, 1926, 39: 32 (*Paratoxopoda*).**

Described from a single male. Holotype male with the labels: "Kamerun Jaunde-Stat. [= Yaoundé, in Cameroun] 800 m. Zenker S.", "Amydrothor. [= Amydrothorax, changed to Paratoxopoda when published] villicoxa n. sp. ♂ d.[et.] Duda", "Type", "Holotypus ♂ Paratoxopoda villicoxa Duda, 1926: 32 det. A. Ozerov, 1994". Several tarsal segments of the left mid and right hind legs are missing, but otherwise it is in good condition.

*P. villicoxa* is a good species of the genus *Paratoxopoda*.

### Nomenclatural summary

A synoptic list of all nomenclatural data is given above. All valid specific names are ordered alphabetically within each genus.

- |  |   |
|--|---|
| <i>Archiseptis laticornis</i> (DUDA, 1926)                   | <i>Sepsis duplicata</i> HALIDAY, 1838                               |
| <i>Australoseptis niveipennis</i> (BECKER, 1903)             | <i>pilipes</i> VAN DER WULP, 1871 ( <i>Sepsis</i> )                 |
| <i>Dudamira abyssinica</i> (DUDA, 1926)                      | <i>pilipes</i> LOEW, 1873 ( <i>Sepsis</i> )                         |
| <i>Lasioseptis melanota</i> (BIGOT, 1886)                    | <i>loewi</i> HENDEL, 1902 ( <i>Sepsis</i> )                         |
| <i>hirtipes</i> BECKER, 1903 ( <i>Sepsis</i> )               | <i>Sepsis femoriseta</i> DUDA, 1926                                 |
| <i>incurvus</i> DUDA, 1926 ( <i>Meroplus</i> )               | <i>subrecta</i> DUDA, 1926 ( <i>Sepsis</i> )                        |
| <i>Leptomerosepsis simplicicrus</i> DUDA, 1926               | <i>Sepsis fissa</i> BECKER, 1903                                    |
| <i>Nemopoda pectinulata</i> LOEW, 1873                       | <i>Sepsis flavimana</i> MEIGEN, 1826                                |
| <i>Palaeosepsis maculata</i> (DUDA, 1926)                    | <i>kerteszi</i> DUDA, 1926 ( <i>Sepsis</i> )                        |
| <i>Palaeosepsis dentatiformis</i> (DUDA, 1926)               | <i>mejerei</i> DUDA, 1926 ( <i>Sepsis</i> )                         |
| <i>Paratoxopoda crassiforceps</i> DUDA, 1926                 | <i>melanopoda</i> DUDA, 1926 ( <i>Sepsis</i> )                      |
| <i>Paratoxopoda flavitarsis</i> DUDA, 1926                   | <i>Sepsis igniventris</i> THOMSON, 1869                             |
| <i>Paratoxopoda tricolor</i> (WALKER, 1849)                  | <i>glabra</i> DUDA, 1926 ( <i>Sepsis</i> ) - <b>syn. n.</b>         |
| <i>nigritarsis</i> DUDA, 1926 ( <i>Paratoxopoda</i> )        | <i>Sepsis latiforceps</i> DUDA, 1926                                |
| <i>Paratoxopoda intermedia</i> DUDA, 1926                    | <i>Sepsis macrochaetophora</i> DUDA, 1926                           |
| <i>Paratoxopoda villicoxa</i> DUDA, 1926                     | <i>Sepsis nitens</i> WIEDEMANN, 1824                                |
| <i>Pseudonemopoda speiseri</i> DUDA, 1926                    | <i>tuberculata</i> DUDA, 1926 ( <i>Sepsis</i> )                     |
| <i>Sepsis aequipilosa</i> DUDA, 1926                         | <i>Sepsis setulosa</i> (DUDA, 1926)                                 |
| <i>Sepsis arotrolabis</i> DUDA, 1926                         | <i>Sepsis testacea</i> WALKER, 1856                                 |
| <i>setipes</i> DUDA, 1926 ( <i>Sepsis</i> ) - <b>syn. n.</b> | <i>spectabilis</i> MEIJERE, 1906 ( <i>Sepsis</i> ) - <b>syn. n.</b> |
| <i>Sepsis barbata</i> BECKER, 1907                           | <i>Sepsis thoracica</i> (ROBINEAU-DESVOIDY, 1830)                   |
| <i>pamirensis</i> ENDERLEIN, 1934 ( <i>Sepsis</i> )          | <i>tridens</i> BECKER, 1903 ( <i>Sepsis</i> )                       |
| <i>Sepsis bigemmis</i> DUDA, 1926                            | <i>Sepsis validiseta</i> DUDA, 1926                                 |
| <i>Sepsis coprophila</i> MEIJERE, 1906                       | <i>Themira annulipes</i> (MEIGEN, 1826)                             |
| <i>Sepsis dissimilis</i> BRUNETTI, 1910                      | <i>crassiseta</i> DUDA, 1926 ( <i>Enicita</i> )                     |
| <i>albolimbata</i> MEIJERE, 1913 ( <i>Sepsis</i> )           | <i>Themira germanica</i> DUDA, 1926                                 |
| <i>acroleucoptera</i> DUDA, 1926 ( <i>Sepsis</i> )           | <i>Themira gracilis</i> (ZETTERSTEDT, 1847)                         |
|  | <i>plurisetosus</i> DUDA, 1926 ( <i>Meroplus</i> )                  |
|  | <i>Themira seticrus</i> DUDA, 1926                                  |
|  | <i>Themira mongolica</i> Soós, 1972                                 |
|  | <i>Toxopoda discedens</i> (BECKER, 1903)                            |
|  | <i>Toxopoda nitida</i> MACQUART, 1851                               |

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